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|------|------|-------|-----|----|
|      |      |       |     |    |

| Application/Control No. | Applicant(s)/Patent under Reexamination |
|-------------------------|---|
| 10/643,330              | VANDENBIESEN ET AL.                     |
| Examiner                | Art Unit                                |

| <b>√</b> | Rejected |
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| =        | Allowed  |

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| _ | Interference |

Robert M. Kunemund

| 4 | ١, | Appeal   |
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| Cla   | im             | Γ                  | Date     |  |                                     |  |                                     |              |              |                        |
| Final | Original       |                    |          |  |                                     |  |                                     |              |              |                        |
|       | 1              | t                  | <u> </u> |  | $\vdash$                            |  |                                     |              | $\vdash$     | H                      |
|       | 2              | $\vdash$           | ┢        |  | $\vdash$                            | <del>                                     </del> | _                                   | H            | $\vdash$     |                        |
|       | 3              | T                  | · · · ·  |  |                                     | <del>                                     </del> |                                     |              |              | П                      |
|       | 4              | <u> </u>           |          |  |                                     |  |                                     |              | Г            | П                      |
|       | <b>4</b> 5     |                    |          |  |                                     |  |                                     |              |              |                        |
|       | 6              |                    |          |  |                                     |  |                                     |              |              |                        |
|       | 7              |                    |          |  |                                     |  |                                     |              |              |                        |
|       | 8              |                    |          |  |                                     |  |                                     |              |              |                        |
|       | 9              | L_                 |          | L  | <u> </u>                            |  |                                     |              |              | Ш                      |
|       | 10             | <u> </u>           | _        |  |                                     | <u> </u>   |                                     | L            | _            | Щ                      |
|       | 11             | $\vdash$           | <u> </u> | $\vdash$   | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | <u> </u>   | $\vdash$                            | $\vdash$     | <u> </u>     | Ш                      |
|       | 12<br>13<br>14 | $\vdash$           | <u> </u> | <u> </u>   | <u> </u>                            | <u> </u>   | <u> </u>                            | _            | <u> </u>     | Щ                      |
|       | 13             | _                  | _        | $\vdash$   | <u> </u>                            | <u> </u>   | <u> </u>                            | $\vdash$     | $\vdash$     | $\sqcup$               |
|       | 14             | =                  | ļ        | <u> </u>   | <u> </u>                            | <del> </del>                                     | <u> </u>                            | $\vdash$     | $\vdash$     | Щ                      |
|       | 15<br>16<br>17 |                    | _        | $\vdash$   | _                                   | <u> </u>   | <u> </u>                            | -            | $\vdash$     | H                      |
|       | 10             | 1                  |          | $\vdash$   | _                                   | ⊢  | ⊢                                   | ┝            | <u> </u>     | $\vdash$               |
|       | 10             |                    | <u> </u> | ┝  |                                     | -  | $\vdash$                            | -            |              | Н                      |
|       | 18<br>19       |                    |          | $\vdash$   |                                     | _  | ┝                                   | ┝            |              | Н                      |
|       | 20             | Н                  | _        | $\vdash$   | _                                   | -  | $\vdash$                            | <del> </del> | $\vdash$     | $\vdash$               |
|       | 21             | $\vdash$           | _        | $\vdash$   | _                                   | ┝  | ├─                                  | $\vdash$     | $\vdash$     | $\vdash\vdash$         |
|       | 21<br>22       | $\vdash$           | <u> </u> | $\vdash$   | $\vdash$                            | $\vdash$   | $\vdash$                            | $\vdash$     |              | Н                      |
|       | 23             | -                  | <u> </u> | $\vdash$   |                                     | $\vdash$   | $\vdash$                            | $\vdash$     |              | Н                      |
|       | 24             |                    |          | $\vdash$   |                                     | -  | ┢─                                  | -            |              | $\vdash$               |
|       | 25             |                    |          |  |                                     |  | $\vdash$                            | $\vdash$     |              | Н                      |
|       | 26             |                    |          |  |                                     |  | $\vdash$                            |              |              | П                      |
|       | 26<br>27       | Г                  |          | Г  |                                     | _  |                                     |              |              |                        |
|       | 28             |                    |          |  |                                     |  |                                     |              |              |                        |
|       | 29             |                    |          |  |                                     |  |                                     |              |              |                        |
|       | 30             |                    |          |  |                                     |  |                                     |              |              |                        |
|       | 31             |                    | 匚        | 匚  |                                     | 匚  | L                                   |              |              |                        |
|       | 32             |                    |          | <u> </u>   |                                     |  | L                                   |              |              |                        |
|       | 33             | Ļ                  |          | <u> </u>   |                                     |  | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ |              |              | Ш                      |
|       | 34             | 1                  | L.       |  |                                     | L  |                                     | <u> </u>     | _            | Ш                      |
|       | 35             | 1                  |          |  |                                     | L  | <u> </u>                            |              | L            | Щ                      |
|       | 36             | <b> </b>           | ļ        |  | L.,                                 | ļ  | <u> </u>                            | ļ            | _            | Щ                      |
|       | 37             | <b> </b>  _        | _        | $\vdash$   | _                                   | <u> </u>   | <u> </u>                            | ļ            | ⊢            | Щ                      |
|       | 38             | ┡                  | <u> </u> |  | $\vdash$                            | <u> </u>   | $\vdash$                            | <u> </u>     | $\vdash$     | Н                      |
|       | 39             |                    |          | -  |                                     | <u> </u>   | <u> </u>                            |              | -            | $\vdash \vdash \vdash$ |
|       | 40<br>41       | 1                  | -        |  |                                     | <u> </u>   | ├                                   | <u> </u>     | $\vdash$     | Н                      |
|       | 41             | <del>    -  </del> |          | <b>.</b>   |                                     |  |                                     | <u> </u>     | $\vdash$     | Н                      |
|       | 43             | 1                  | H        |  | $\vdash$                            |  | H                                   |              | $\vdash$     | $\vdash$               |
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|       | 45             | +                  | $\vdash$ | $\vdash$   | Η.                                  | -  | $\vdash$                            | ļ            |              | $\vdash$               |
|       | 46             | J                  | -        | <del>                                     </del> | $\vdash$                            | H  | $\vdash$                            | $\vdash$     | $\vdash$     | $\vdash$               |
|       | 47             | _                  | $\vdash$ | $\vdash$   | -                                   | Н  | $\vdash$                            | $\vdash$     |              | $\dashv$               |
|       | 48             |                    | Н        |  |                                     | Н  | Н                                   | М            | М            | Н                      |
|       | 49             |                    |          |  |                                     |  |                                     | $\Box$       |              | П                      |
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|          | 51       |   | $\vdash$ |          |  |          |          | $\vdash$     |          | H             |
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|          | 54       |   | ļ        |          | <u>.                                    </u> |          |          | _            | ļ        |               |
|          | 55<br>56 | _ | <u> </u> | _        | <u> </u>                                     |          | -        | <u> </u>     | <u> </u> | L             |
| -        | 57       |   | -        |          | ⊢  | -        |          | ├─           | -        | $\vdash$      |
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|          | 62       |   |          |          |  | <u> </u> | _        | <u> </u>     |          |               |
|          | 63       |   | H        | <u> </u> |  | <u> </u> | <u> </u> | H            | -        | $\vdash$      |
|          | 64<br>65 |   | $\vdash$ | <u> </u> | _  | $\vdash$ | _        | H            | $\vdash$ | $\vdash$      |
| -        | 66       |   | H        |          | -  | -        | $\vdash$ | -            | H        | $\vdash$      |
|          | 67       |   |          |          |  | _        |          |              |          | _             |
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|          | 69       |   | L        |          |  |          | <u> </u> |              | _        | _             |
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|          | 71       | _ | $\vdash$ | <u> </u> |  |          | <u> </u> | -            | <u> </u> | H             |
|          | 72<br>73 |   | -        | H        | -  |          | -        | -            | $\vdash$ | ┝             |
|          | 74       |   |          |          |  | <u> </u> |          |              | H        | $\vdash$      |
|          | 75       |   |          |          |  |          |          |              |          |               |
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|          | 77<br>78 |   |          |          |  |          | <u> </u> | ļ            | _        | _             |
|          | 79       | _ | $\vdash$ | <u> </u> | $\vdash$                                     | $\vdash$ | -        | $\vdash$     | $\vdash$ | $\vdash$      |
|          | 80       |   |          |          | -  |          | ┢        | $\vdash$     |          | $\vdash$      |
|          | 81       | · |          |          |  |          |          |              |          |               |
|          | 82       |   |          |          |  |          |          |              |          |               |
|          | 83       |   | _        |          | _  |          | $\vdash$ | <u> </u>     | _        | _             |
|          | 84<br>85 |   |          |          |  |          | $\vdash$ | H            |          | _             |
| $\vdash$ | 86       |   |          |          |  | -        | $\vdash$ | ┝            |          | $\vdash$      |
|          | 87       |   |          | Н        |  |          | $\vdash$ | H            |          |               |
|          | 88       |   |          |          |  |          |          |              |          |               |
|          | 89       |   |          |          |  |          |          |              |          |               |
|          | 90       |   |          |          |  |          |          | $\vdash$     |          | _             |
| -        | 91<br>92 |   |          | <u> </u> | H  | <u> </u> | <u> </u> | $\vdash$     | <u> </u> | <u> </u>      |
|          | 93       |   | -        |          |  |          |          | H            | -        |               |
| $\Box$   | 94       | - |          |          | Т  | $\vdash$ |          | П            |          | Г             |
|          | 95       |   |          |          |  |          |          |              |          |               |
|          | 96       |   |          |          |  |          |          |              |          |               |
|          | 97       |   | <u> </u> |          | _  | <u> </u> | <u> </u> | _            | Ŀ        | <u> </u>      |
| $\vdash$ | 98<br>99 | _ | Н        | $\vdash$ | H  | H        | <u> </u> | H            | -        | <del> -</del> |
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| Cla  | aim               | Date     |              |              |              |              |          |  |          |                        |
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|  |                   |          |              |              |              |              | Π        |  |          |                        |
| Final  | Original          |          |              |              |              |              |          |  |          |                        |
| ι <u>Ξ</u>                                       | )rig              |          |              |              |              |              |          |  |          |                        |
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|  | 101               |          |              |              |              |              |          |  |          |                        |
|  | 102               |          |              |              |              |              |          |  |          |                        |
|  | 101<br>102<br>103 | _        | _            |              |              | L            | L        | L  | _        |                        |
|  | 104<br>105        |          | <u> </u>     |              |              | _            |          | ┕  | _        | Ш                      |
|  | 105               |          | <u> </u>     |              | _            | _            | _        | <u> </u>   |          |                        |
|  | 106               |          |              | _            |              |              | _        | <u> </u>   | <u> </u> | Щ                      |
| <u> </u>   | 107<br>108        | <u> </u> | <u> </u>     |              |              |              | ļ        |  | ╙        | Н                      |
|  | 108               | _        |              | _            |              |              |          |  | <u> </u> | Ш                      |
|  | 109               |          | <u> </u>     | ļ            |              | <u> </u>     | _        | ┝  | ┡        | Н                      |
|  | 110               | _        | <u> </u>     | <u> </u>     | _            |              | -        | -  | H        | Н                      |
| <b> </b>   | 111               | -        | <del> </del> | <del> </del> | <b></b>      | <u> </u>     | -        |  | -        | Н                      |
|  | 112<br>113        | -        |              | $\vdash$     |              | _            | _        | $\vdash$   | $\vdash$ | $\vdash\vdash\vdash$   |
| <del> </del>                                     | 114               | -        | $\vdash$     | $\vdash$     | $\vdash$     | <del> </del> | -        |  | -        | Н                      |
| <del> </del>                                     | 115               |          |              | -            | <del> </del> | $\vdash$     | $\vdash$ | $\vdash$   | $\vdash$ | $\vdash \vdash$        |
|  | 115<br>116        | -        | $\vdash$     | H            | <u> </u>     | $\vdash$     | -        | <del>                                     </del> | ├        | $\vdash \vdash$        |
|  | 117               |          | $\vdash$     | $\vdash$     | $\vdash$     | $\vdash$     | $\vdash$ | $\vdash$   | ╁─╴      | $\vdash$               |
|  | 118               | -        | $\vdash$     | $\vdash$     | $\vdash$     |              | -        | $\vdash$   | $\vdash$ | Н                      |
|  | 119               |          | $\vdash$     | $\vdash$     |              | $\vdash$     | $\vdash$ | $\vdash$   | ┢        |                        |
|  | 120               |          | -            |              | -            | -            | -        | <u> </u>   | ┝        | Н                      |
| $\vdash$   | 121               |          | -            |              |              | -            | -        | <del> </del>                                     | H        | Н                      |
|  | 121<br>122<br>123 |          | $\vdash$     | $\vdash$     | _            | _            | _        | _  |          | Н                      |
|  | 123               |          |              |              |              |              |          | _  | <u> </u> |                        |
|  | 124<br>125        |          |              |              |              |              | -        | Г  |          | П                      |
|  | 125               |          |              |              |              |              |          |  |          |                        |
|  | 126<br>127<br>128 |          |              |              |              |              |          |  |          | •                      |
|  | 127               |          |              |              |              |              |          |  |          |                        |
|  | 128               |          | L            |              |              |              |          | <u> </u>   | L        | Ш                      |
|  | 129<br>130        |          | L            | L            |              | $oxed{oxed}$ | L_       | <u> </u>   | L_       | Ш                      |
|  | 130               |          | _            | <u> </u>     |              | Щ            |          | <u> </u>   | L        | Ш                      |
|  | 131               |          |              |              |              |              | _        | <u> </u>   | <u> </u> |                        |
|  | 132<br>133        |          | _            | _            |              |              | <u> </u> | <u> </u>   | <u> </u> | Ш                      |
| <u> </u>   | 133               |          | $\vdash$     | $\vdash$     | _            |              |          | <u> </u>   | <u> </u> | Н                      |
| <u> </u>   | 134               |          | <u> </u>     |              | <b>_</b>     |              | _        | <u> </u>   | $\vdash$ | Н                      |
|  | 135               |          | $\vdash$     | $\vdash$     | <u> </u>     |              | <u> </u> | <u> </u>   | $\vdash$ | Н                      |
|  | 136               | -        | H            | $\vdash$     | <u> </u>     | <u> </u>     | $\vdash$ | $\vdash$   | $\vdash$ | $\vdash\vdash$         |
| <del>                                     </del> | 137<br>138        |          | -            |              | Ь—           | <u> </u>     | -        | $\vdash$   | $\vdash$ | Н                      |
|  | 139               |          | <u> </u>     | -            | <del></del>  | Н—           | $\vdash$ | -  |          | $\vdash \vdash \vdash$ |
| <b> </b>   | 140               |          | H            | $\vdash$     |              |              | $\vdash$ |  | -        | $\vdash$               |
| <u> </u>   | 141               |          |              | -            | $\vdash$     |              | $\vdash$ | $\vdash$   | $\vdash$ | H                      |
|  | 142               |          | Н            | $\vdash$     |              | -            |          |  | _        | Н                      |
|  | 143               |          |              |              |              |              |          |  |          | М                      |
|  | 144               |          | _            | -            |              |              |          |  |          | Н                      |
|  | 145               |          |              |              |              |              |          |  |          | П                      |
|  | 146               |          |              |              |              |              |          |  |          |                        |
|  | 147               |          |              |              |              |              |          |  |          |                        |
|  | 148               |          |              |              |              |              |          |  |          |                        |
|  | 149               |          |              |              |              |              |          |  | $\Box$   |                        |
|  | 150               |          |              |              |              |              |          |  |          | L]                     |
|  |                   |          |              |              |              |              |          |  |          |                        |